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# GNAHRGIS MAP MIGRATION

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GNAHRGIS Map Use Guide

<https://www.gnahrgis.org>

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# 1 Overview

GNAHRGIS mapping tools are updated to align with more modern web delivery strategies (HTML5). This document describes some mapping features as they are enhanced or changed in their capacity to interact with GNAHRGIS data with this update. GNAHRGIS mapping tools are still using ESRI frameworks. The Adobe FLEX mapping interface, which is no longer supported by ESRI and the web community for security and other issues, is replaced with the ArcGIS Javascript API. This will allow the application to continue to provide the benefits of security, data maintenance, and discovery with the promise of more robust functionality afforded by modern HTML5 compliant browsers, leaner infrastructure and more effective support. The new version of this update is available here:







<https://alpha.itos.uga.edu/gnahrgis>

<https://www.gnahrgis.org>


The following table outlines functions supported by this update

Map Function	Tool	Note	Status
Identify	Map Click	Accessible by drawing the layer from the layer list and clicking on the map at the desired location for the identify.	Implemented
Pan	Map Click hold + drag to new location		Implemented
Zoom (in/out/previous/back/full extent)	Map (double) Click, Zoom  tool: Or use Navigation Tools: 		Implemented



Switch Basemap		New this platform	Implemented
Layer Transparency	Select a layer to draw and slide the transparency tool to the amount desired from the position on the slider 	New this platform	Implemented
Print			Implemented
Search Map/Locate	 Use current location, enter an longitude and latitude coordinate pair or place name (i.e. Wilkes County, GA)	Update planned to filter results to Georgia locations only.	Implemented
Directions			Planned
Secure/public layer access		Layers show in layers tool based on role. For Public users, Archaeological quad theme public layer is accessible, and public historic resources are available to view as well as additional context layers.	Implemented
Draw Tool		Available for selections only. No	Implemented



		redlining on map available at initial release.	
Select Tool		Use draw tools with buffer or no buffer to select features on map and show results in sidebar list. Available layers are based on user's role access.	Implemented
Overview Map			Planned
Bookmarks			Planned

## 2 GNAHRGIS Resource Access

GNAHRGIS data access levels are not changed with the map update. A user that is not authorized to view Archaeological resources will not be able to access them through the map as before the map update. A user that is only authorized to view county level Archaeological resources will be able to view only those resources that are in their available counties. This is shown in Figures 1 and 2, where the user logged in has access only to three counties worth of Archaeological data.

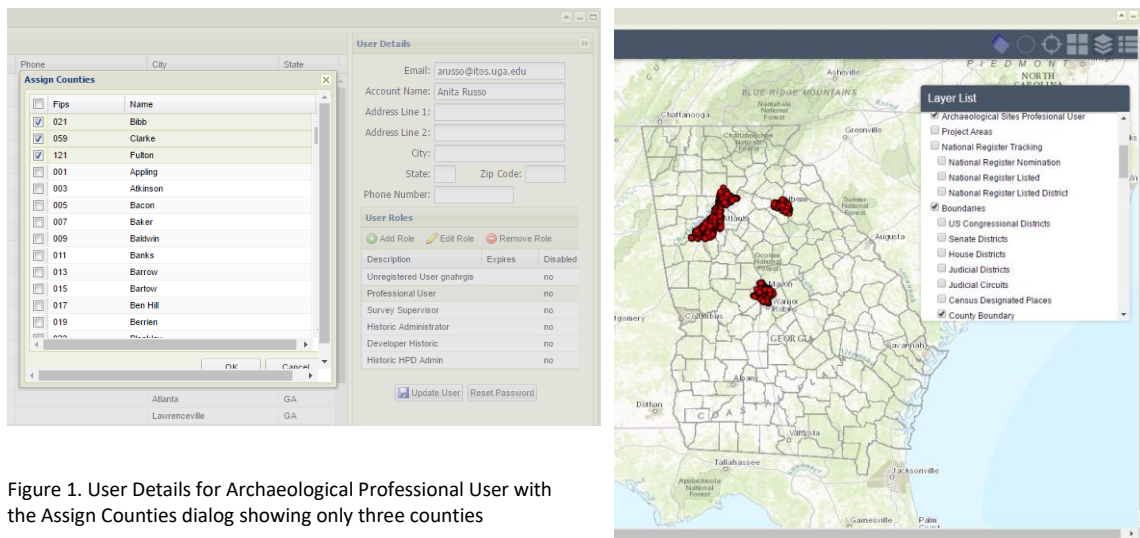


Figure 1. User Details for Archaeological Professional User with the Assign Counties dialog showing only three counties

Figure 2. Mapped Archaeological Resources for the user with the county level access restriction

Similarly, restrictions for Historical Resources in place prior to the map refresh are adhered to in the map update. If the user does not have the permissions to view restricted Historical resources, then, only public Historical features are accessible for the user through the map.

### 3 GNAHRGIS Widgets replaced with Map Tools

A key change with the map update in the use of the map is with the introduction of Map Tools for updating map views, displaying layers, and running searches. These tools replace the widgets that were reproductions of the same functions on different layers. The Map Layers tool is now available from the map toolbar, with the same options for layers to add to the map view (Figure 3.) as were previously available with the Map Layers widget with additional public layers available.

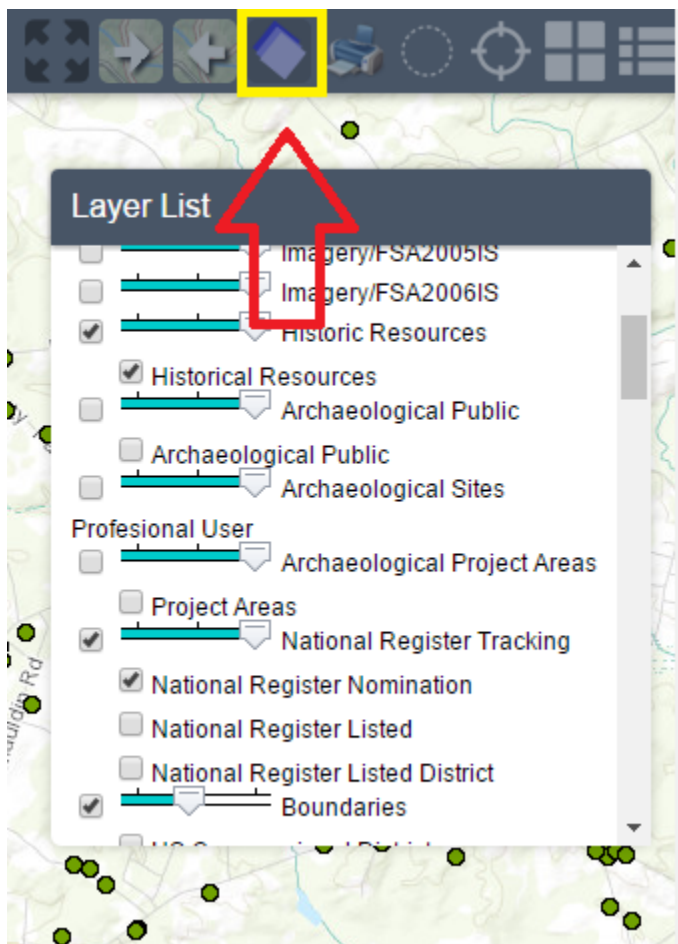


Figure 3. Map Layers Tool

The widgets (Archaeological and Historical) shown in Figure 4 are replaced with a Select Features and Layers Tool shown in Figure 5.



Figure 4. Archaeological and Historic (expanded) layer query widgets.

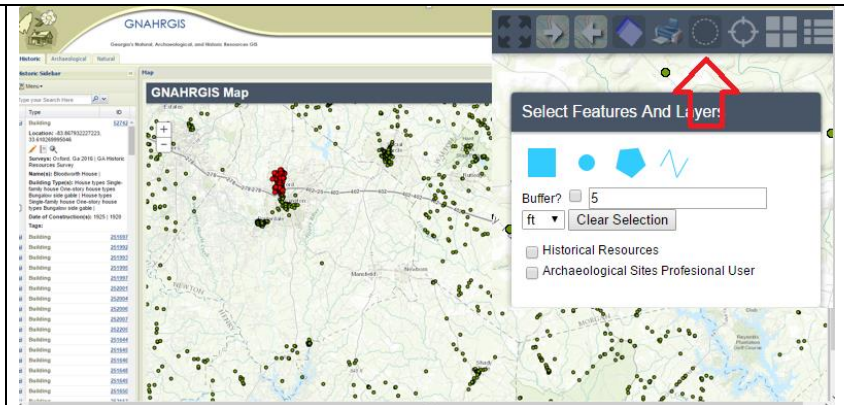


Figure 5. The Select Features Layers Tool, which consolidates the layer query widgets shown in Figure 4., is accessible from the tool highlighted with the yellow box. The screen shows the results of a box drawn on the map with queried features displayed in red on the map and listed in the Historic Sidebar results.

These allow for drawing geometric features on the map as a basis for querying the target resources and showing the results in the results Sidebar associated with the target layer. The target layer may be Historic or Archaeological.

Additional Map Tools are available from the Map Tools as follows:



1. Map Navigation: Zoom Full Extent
2. Map Navigation: Zoom Next Extent
3. Map Navigation: Zoom Previous Extent
4. Print Map
5. Locate

This will allow update of map display based on choice of machine location (if enabled) or an entry of address, place name (i.e. Athens, GA) or longitude and latitude coordinate pair.

6. Basemap

This tool allows for changing the basemap in the map view. Examples include Open Street Map or USA Topo Maps.

7. Legend

This tool will afford descriptions of mapped feature iconography and symbology.